

$$(m \text{ sample kg}) = \sum_{i=1}^{i=n} (m \text{ sample kg}_i)$$

(B) Determination of particulate index for the mass particulate from the average of the test modes shall be as follows:

$$PI = \frac{(PT \text{ gr/hr})(1000 \text{ mg/gr})(1 \text{ hr/60 min})(35.31 \text{ ft}^3/\text{m}^3)}{(1/1 \text{ mg/m}^3)}$$

(v) When the effective weighting factor, $WF_{E,i}$, for each mode is calculated for the single filter method, the following shall apply.

$$(A) \quad WF_{E,i} = \frac{(m \text{ sample kg}_i)(m \text{ mix kg/hr avg})}{(m \text{ sample kg})(m \text{ mix kg/hr}_i)}$$

(B) The value of the effective weighting factors shall be within ± 0.005 (absolute value) of the weighting factors listed in Table E-3.

(b) A particulate index for each requested rated speed and horsepower shall be the value determined in paragraph (a)(9)(iii)(C) of this section for the multiple filter method or paragraph (a)(9)(iv)(B) of this section for the single filter method.

(1) Particulate indices less than 20,000 cfm shall be rounded up to the next 500 cfm. Example: 10,432 cfm shall be listed 10,500 cfm.

(2) Particulate indices greater than 20,000 cfm shall be rounded up to the nearest thousand 1,000 cfm. Example: 26,382 cfm shall be listed 27,000 cfm.

[61 FR 55504, Oct. 25, 1996; 62 FR 34640, June 27, 1997]

§ 7.90 Approval marking.

Each approved diesel engine shall be identified by a legible and permanent approval marking inscribed with the assigned MSHA approval number and securely attached to the diesel engine. The marking shall also contain the following information:

- (a) Ventilation rate.
- (b) Rated power.
- (c) Rated speed.
- (d) High idle.
- (e) Maximum altitude before deration.
- (f) Engine model number.

§ 7.91 Post-approval product audit.

Upon request by MSHA, but no more than once a year except for cause, the approval holder shall make a diesel engine available for audit at no cost to MSHA.

§ 7.92 New technology.

MSHA may approve a diesel engine that incorporates technology for which the requirements of this subpart are not applicable if MSHA determines that the diesel engine is as safe as those which meet the requirements of this subpart.

Subpart F—Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required

SOURCE: 61 FR 55518, Oct. 25, 1996, unless otherwise noted.

§ 7.95 Purpose and effective date.

Part 7, subpart A general provisions apply to subpart F. Subpart F establishes the specific requirements for MSHA approval of diesel power packages intended for use in approved equipment in areas of underground coal